

Title (en)

Fan combined with an electrical ceramical heater

Title (de)

Ventilator kombiniert mit einer elektrischen keramischen Heizung

Title (fr)

Ventilateur combiné avec un réchauffeur en céramique électrique

Publication

EP 1729072 B1 20070912 (EN)

Application

EP 05011568 A 20050530

Priority

EP 05011568 A 20050530

Abstract (en)

[origin: EP1729072A1] A cooling/heating fan apparatus includes a protective shade (2), a fan motor (1) having a propeller shaft (10) extended into the protective shade, an impeller (3) mounted on a distal end of the propeller shaft, at least one porous ceramic carrier (4) mounted on the propeller shaft and located between the fan motor and the impeller. The porous ceramic carrier has a plurality of through holes (40) each having a surface provided with an electro-thermal plating film layer (41). Thus, the air from the ambient environment is heated by the electro-thermal plating film layer quickly, thereby enhancing the heating efficiency of the fan apparatus.

IPC 8 full level

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CPC (source: EP)

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